ABSTRACT

A system is described comprising: a primary root splitter to split a data stream transmitted from an upstream server into a plurality of leaf splitter streams; a plurality of leaf splitters to split each of the leaf splitter streams into a plurality of end user streams, wherein one or more of the plurality of leaf splitters is a backup root splitter; and root splitter reassignment logic for reassigning one of the backup root splitters as a new primary root splitter responsive to detecting a problem with the primary root splitter.

Also described is a method comprising: monitoring a primary root splitter to ensure that the primary root splitter is operating within predefined parameters, the primary root splitter to split a single data stream into multiple data streams transmitted to multiple leaf splitters; and reassigning one of the leaf splitters as a new primary root splitter responsive to detecting that the primary root splitter is not operating within the predefined parameters.